



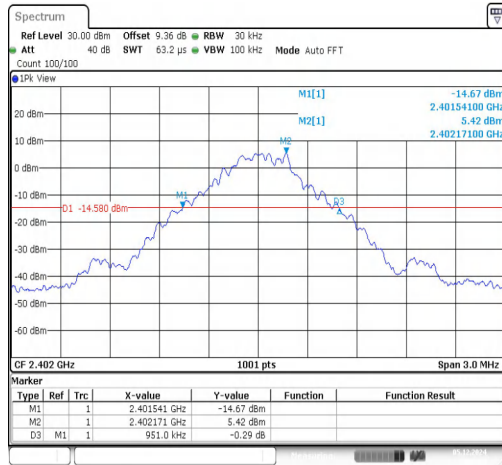
Appendix A: 20dB Emission Bandwidth

Test Result

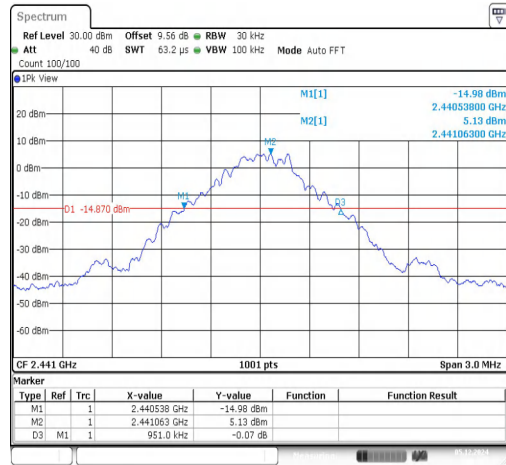
Test Mode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.54	2402.49	---	---
DH5	Ant1	2441	0.95	2440.54	2441.49	---	---
DH5	Ant1	2480	0.95	2479.54	2480.49	---	---
2DH5	Ant1	2402	1.33	2401.34	2402.67	---	---
2DH5	Ant1	2441	1.33	2440.34	2441.67	---	---
2DH5	Ant1	2480	1.33	2479.34	2480.67	---	---
3DH5	Ant1	2402	1.31	2401.35	2402.66	---	---
3DH5	Ant1	2441	1.31	2440.35	2441.66	---	---
3DH5	Ant1	2480	1.31	2479.35	2480.66	---	---



Test Graphs



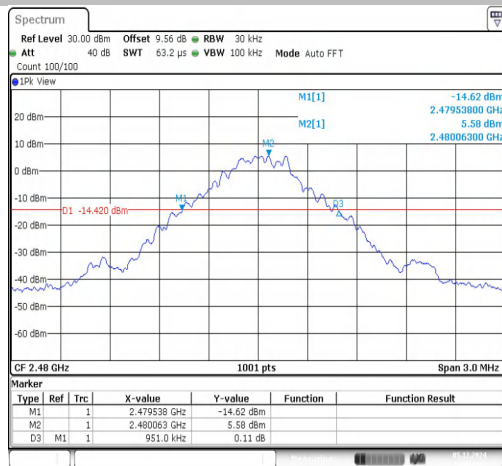
Date: 5.DEC.2024 14:56:34



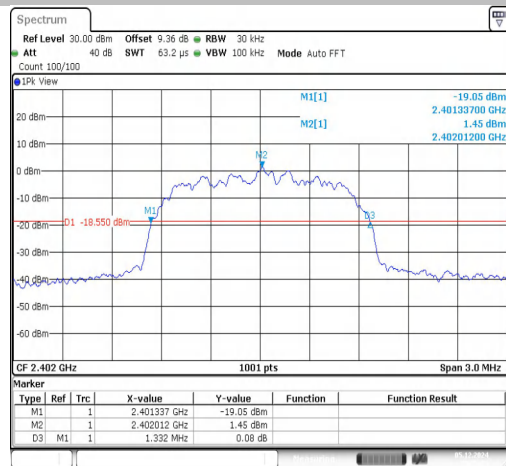
Date: 5.DEC.2024 15:04:07

DH5-Ant1-2402

DH5-Ant1-2441



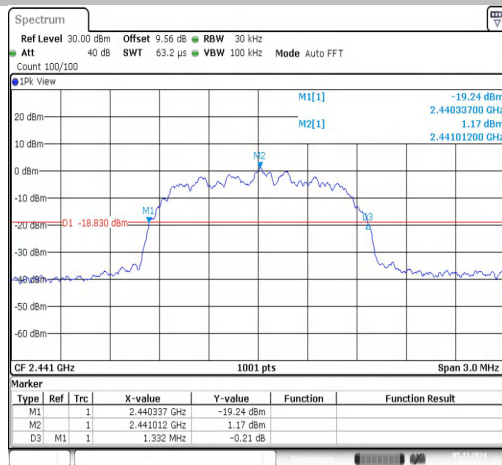
Date: 5.DEC.2024 15:06:15



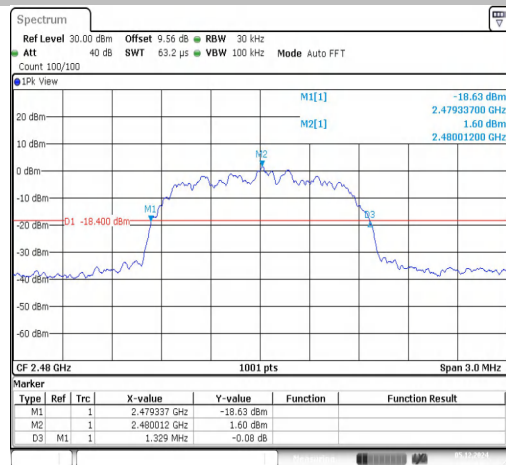
Date: 5.DEC.2024 15:35:28

DH5-Ant1-2480

2DH5-Ant1-2402



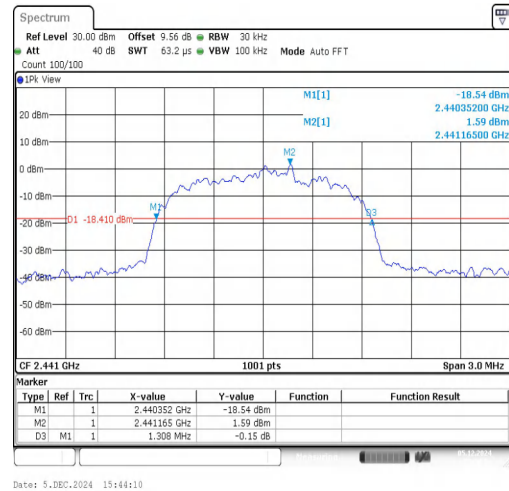
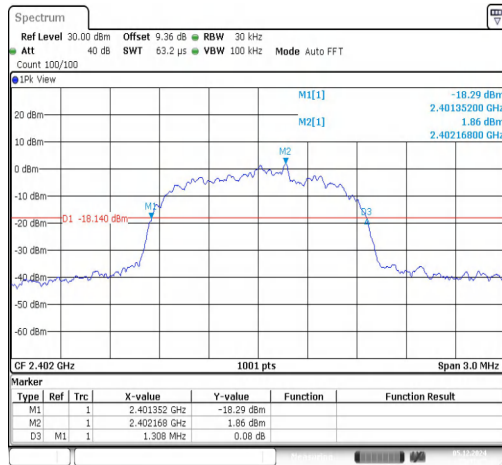
Date: 5.DEC.2024 15:38:14



Date: 5.DEC.2024 15:39:59

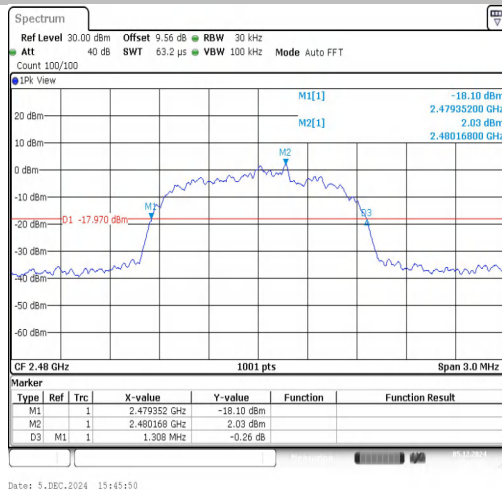
2DH5-Ant1-2441

2DH5-Ant1-2480



3DH5-Ant1-2402

3DH5-Ant1-2441



3DH5-Ant1-2480



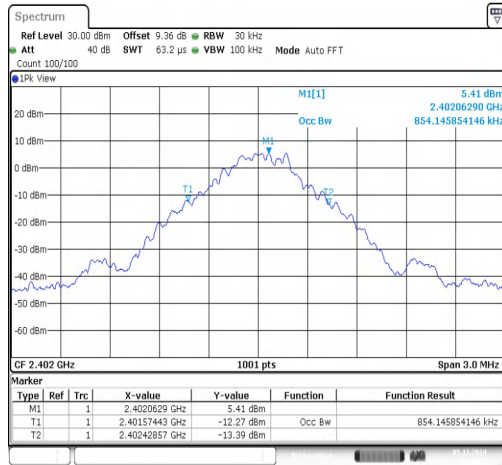
Appendix B: Occupied Channel Bandwidth

Test Result

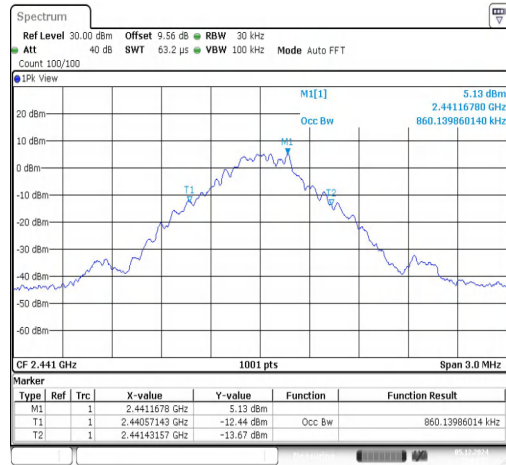
Test Mode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.854	2401.5744	2402.4286	---	---
DH5	Ant1	2441	0.86	2440.5714	2441.4316	---	---
DH5	Ant1	2480	0.863	2479.5714	2480.4346	---	---
2DH5	Ant1	2402	1.187	2401.4096	2402.5964	---	---
2DH5	Ant1	2441	1.19	2440.4096	2441.5994	---	---
2DH5	Ant1	2480	1.187	2479.4096	2480.5964	---	---
3DH5	Ant1	2402	1.187	2401.4126	2402.5994	---	---
3DH5	Ant1	2441	1.19	2440.4096	2441.5994	---	---
3DH5	Ant1	2480	1.193	2479.4066	2480.5994	---	---



Test Graphs



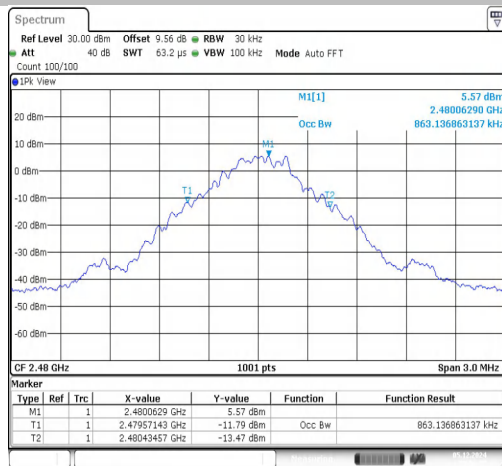
Date: 5.DEC.2024 14:56:42



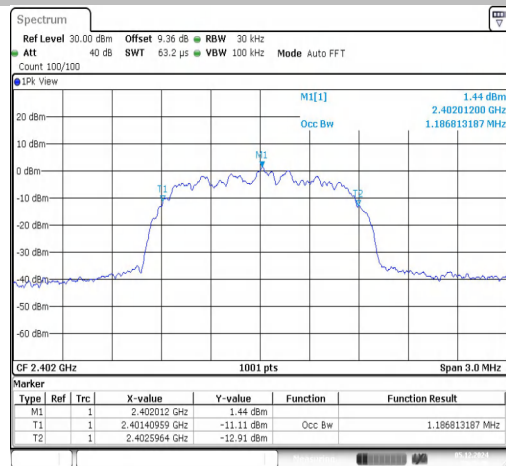
Date: 5.DEC.2024 15:04:15

DH5-Ant1-2402

DH5-Ant1-2441



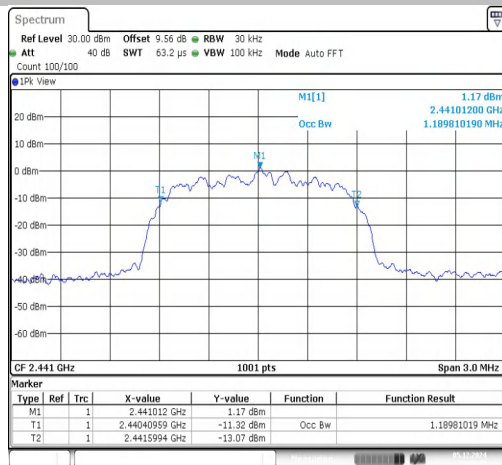
Date: 5.DEC.2024 15:06:22



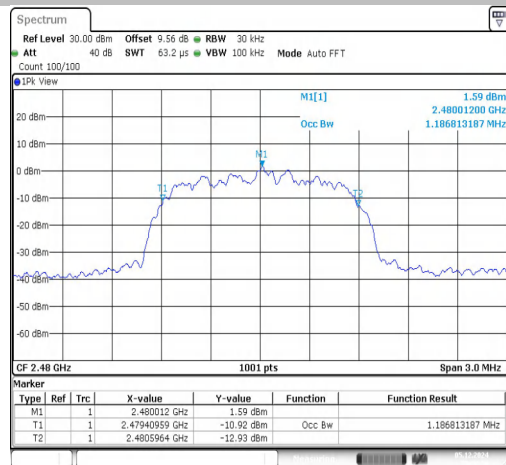
Date: 5.DEC.2024 15:35:36

DH5-Ant1-2480

2DH5-Ant1-2402



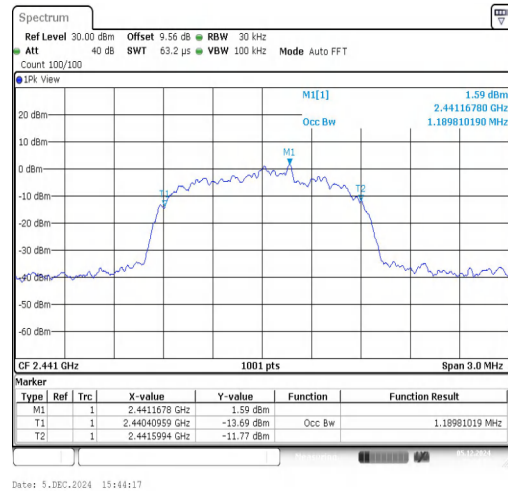
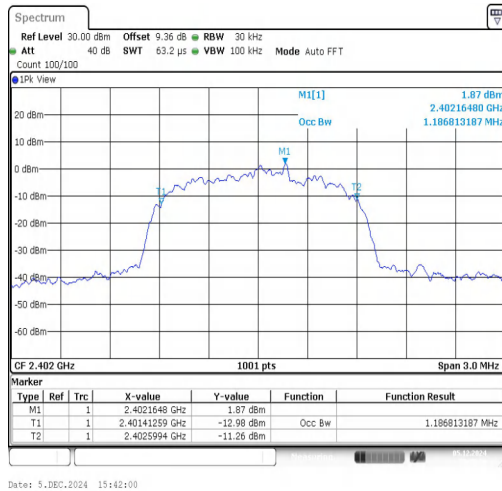
Date: 5.DEC.2024 15:38:22



Date: 5.DEC.2024 15:40:06

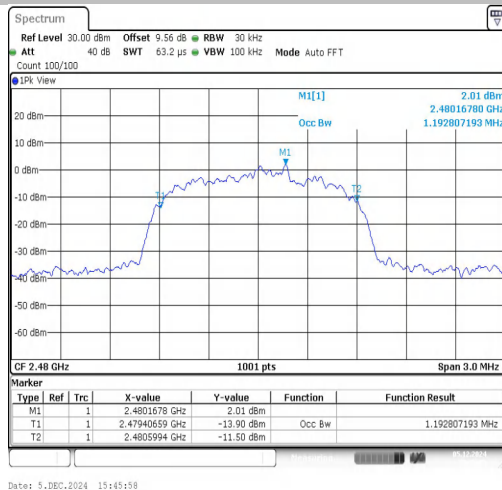
2DH5-Ant1-2441

2DH5-Ant1-2480



3DH5-Ant1-2402

3DH5-Ant1-2441



3DH5-Ant1-2480



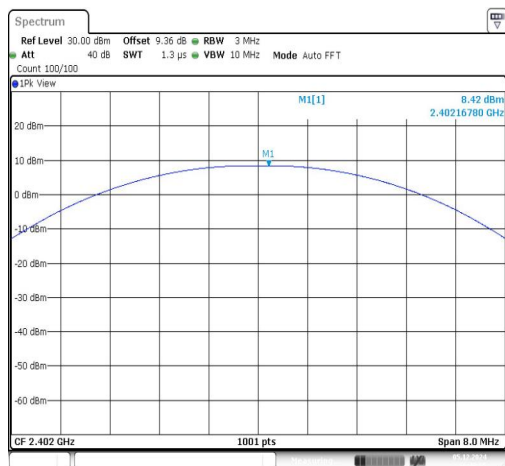
Appendix C: Maximum conducted output power

Test Result Peak

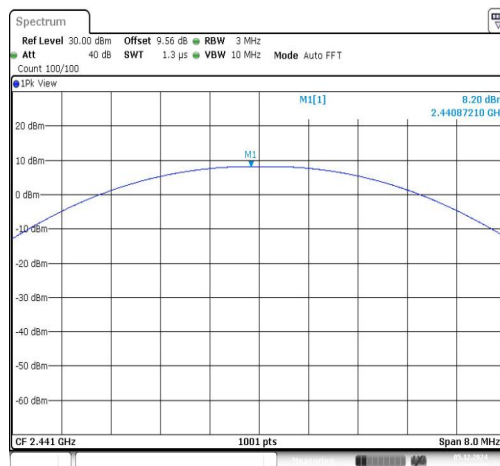
Test Mode	Antenna	Frequency [MHz]	Peak Power [dBm]	Peak Power Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
DH5	Ant1	2402	8.42	≤20.97	0.00	8.42	≤36	PASS
DH5	Ant1	2441	8.20	≤20.97	0.00	8.20	≤36	PASS
DH5	Ant1	2480	8.65	≤20.97	0.00	8.65	≤36	PASS
2DH5	Ant1	2402	7.54	≤20.97	0.00	7.54	≤36	PASS
2DH5	Ant1	2441	7.35	≤20.97	0.00	7.35	≤36	PASS
2DH5	Ant1	2480	7.83	≤20.97	0.00	7.83	≤36	PASS
3DH5	Ant1	2402	7.79	≤20.97	0.00	7.79	≤36	PASS
3DH5	Ant1	2441	7.51	≤20.97	0.00	7.51	≤36	PASS
3DH5	Ant1	2480	7.97	≤20.97	0.00	7.97	≤36	PASS



Test Graphs



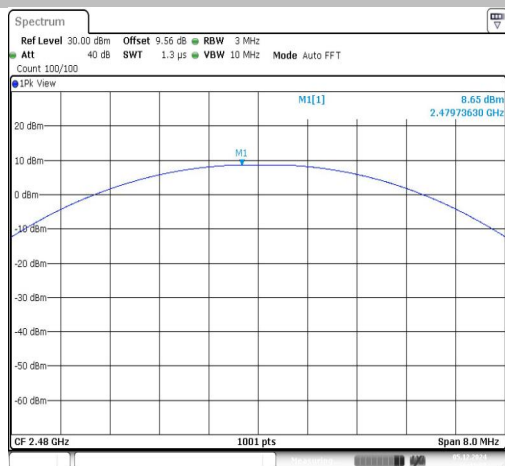
Date: 5.DEC.2024 16:40:06



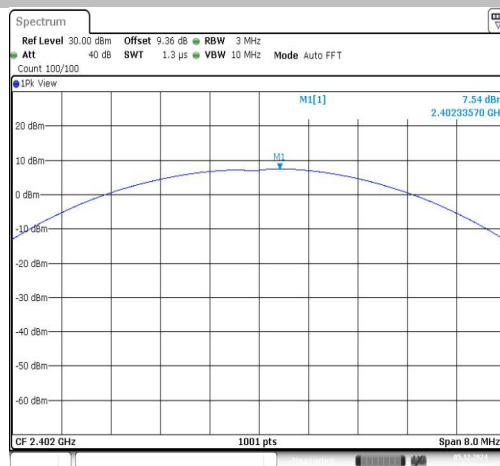
Date: 5.DEC.2024 16:41:19

DH5-Ant1-2402-PASS

DH5-Ant1-2441-PASS



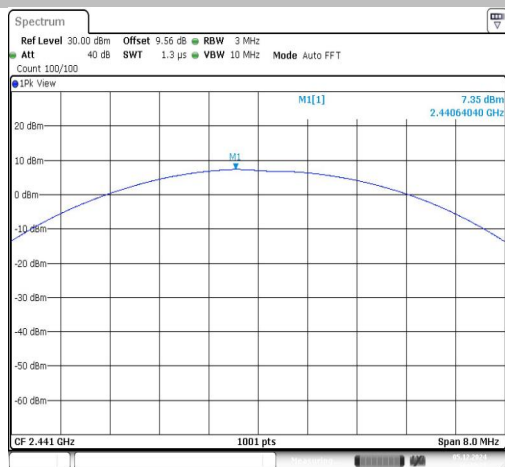
Date: 5.DEC.2024 16:41:37



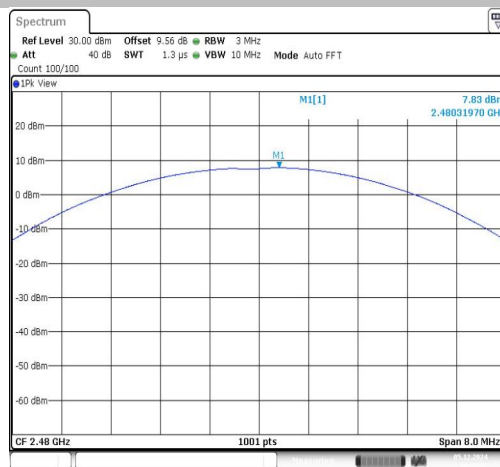
Date: 5.DEC.2024 16:41:57

DH5-Ant1-2480-PASS

2DH5-Ant1-2402-PASS



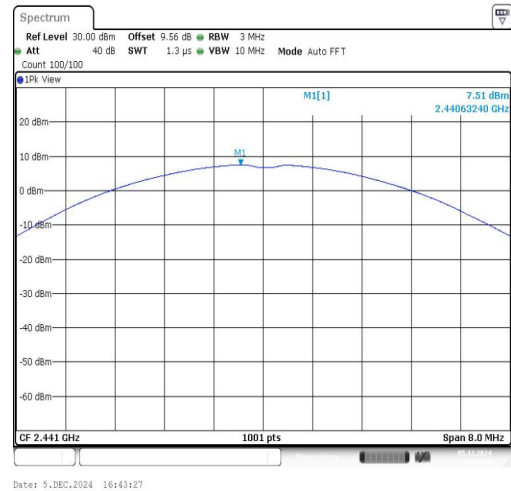
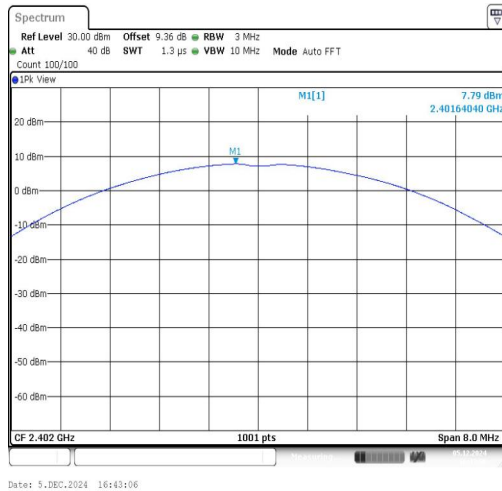
Date: 5.DEC.2024 16:42:21



Date: 5.DEC.2024 16:42:44

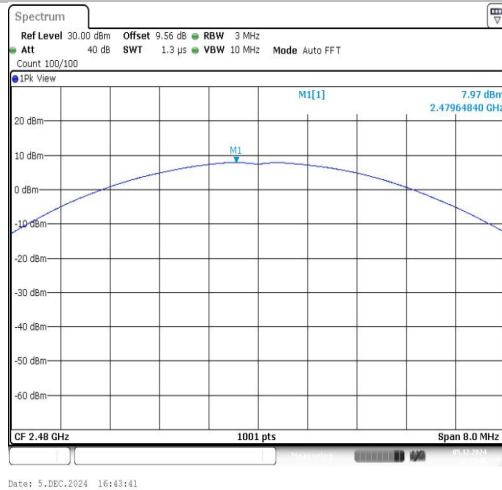
2DH5-Ant1-2441-PASS

2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS

3DH5-Ant1-2441-PASS



3DH5-Ant1-2480-PASS



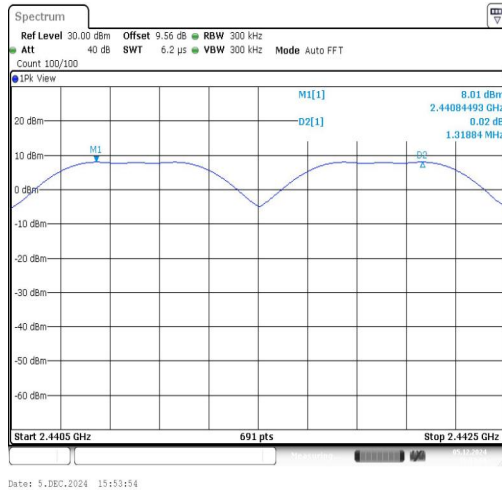
Appendix D: Carrier frequency separation

Test Result

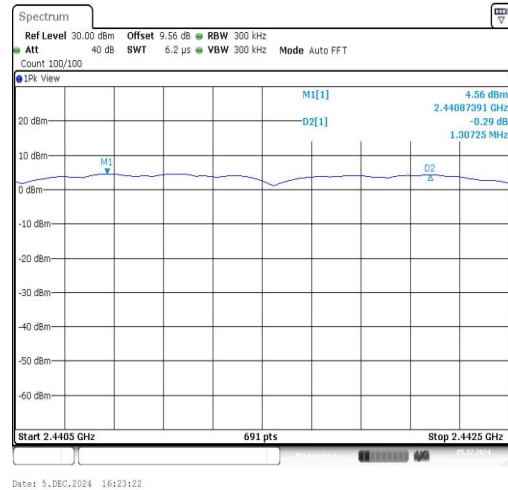
Test Mode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.319	≥ 0.950	PASS
2DH5	Ant1	Hop	1.307	≥ 0.887	PASS
3DH5	Ant1	Hop	1.229	≥ 0.873	PASS



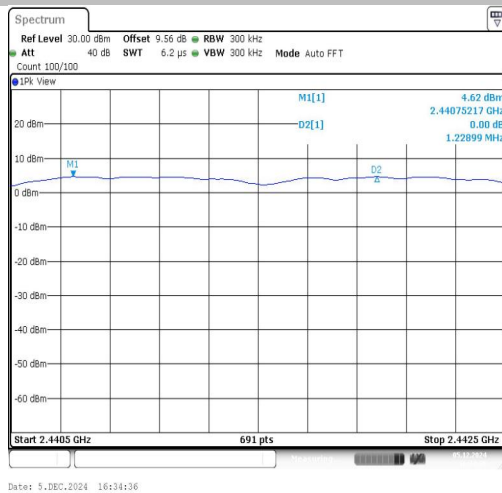
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



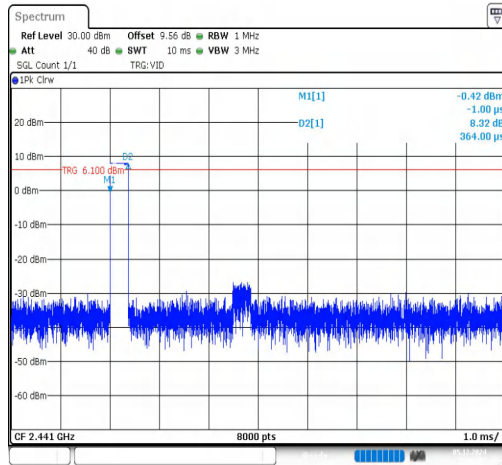
Appendix E: Time of occupancy

Test Result

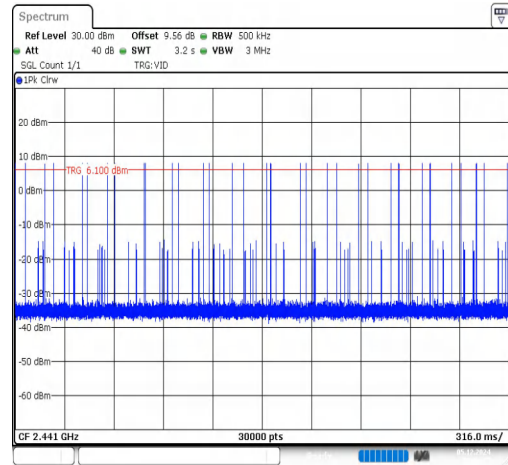
Test Mode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.364	330	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.613	190	0.306	≤0.4	PASS
DH5	Ant1	Hop	2.853	90	0.257	≤0.4	PASS
2DH1	Ant1	Hop	2.859	70	0.2	≤0.4	PASS
2DH3	Ant1	Hop	1.619	140	0.227	≤0.4	PASS
2DH5	Ant1	Hop	2.858	110	0.314	≤0.4	PASS
3DH1	Ant1	Hop	0.375	330	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.618	190	0.307	≤0.4	PASS
3DH5	Ant1	Hop	2.862	120	0.343	≤0.4	PASS



Test Graphs



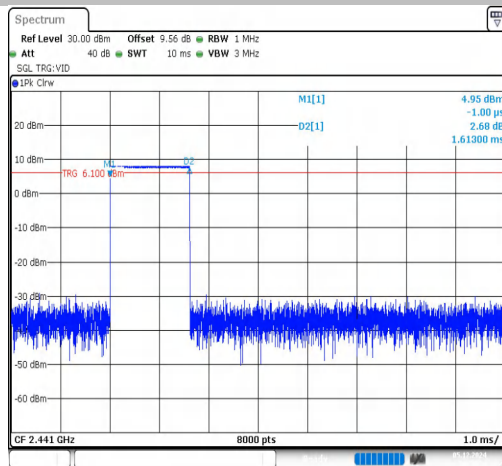
Date: 5.DEC.2024 15:56:22



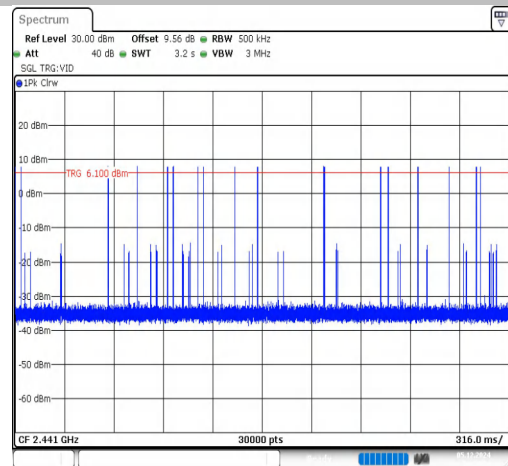
Date: 5.DEC.2024 15:56:28

DH1-Ant1-Hop-PASS

DH1-Ant1-Hop-PASS



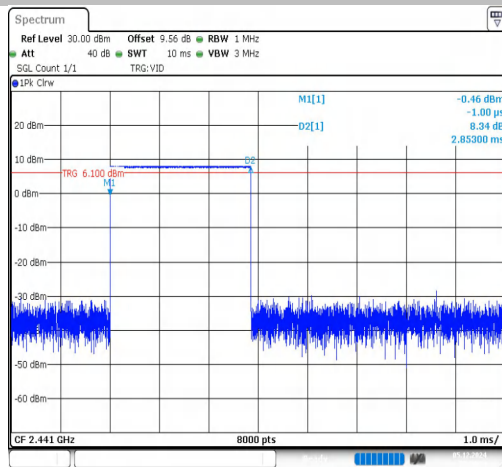
Date: 5.DEC.2024 16:18:01



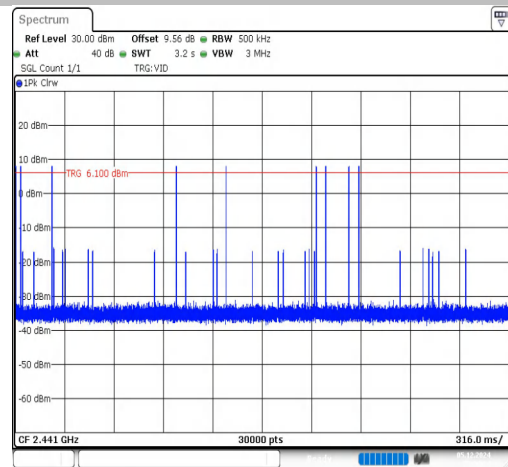
Date: 5.DEC.2024 16:18:06

DH3-Ant1-Hop-PASS

DH3-Ant1-Hop-PASS



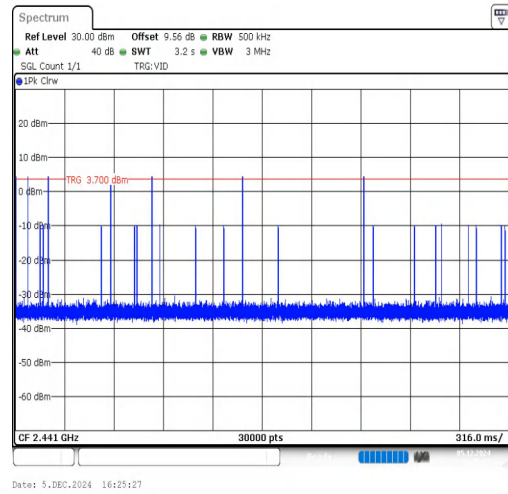
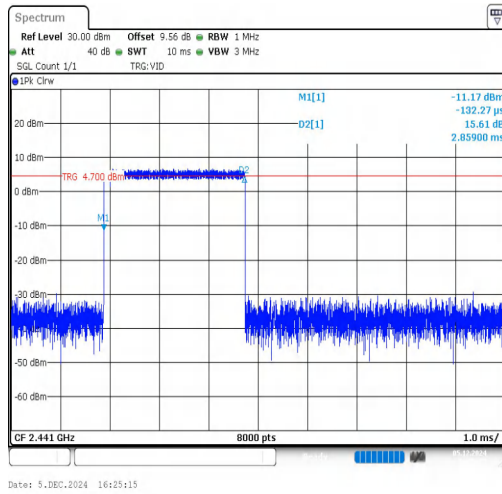
Date: 5.DEC.2024 15:54:49



Date: 5.DEC.2024 15:54:55

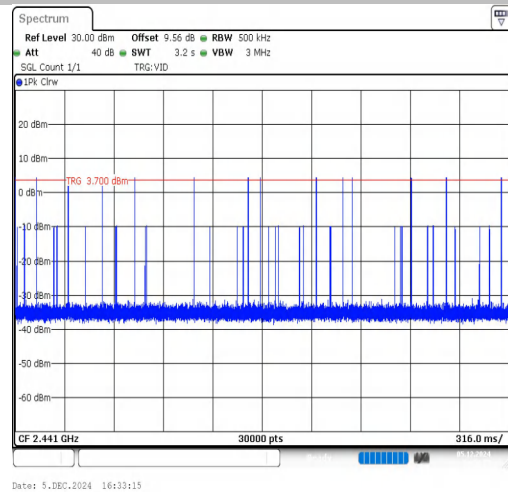
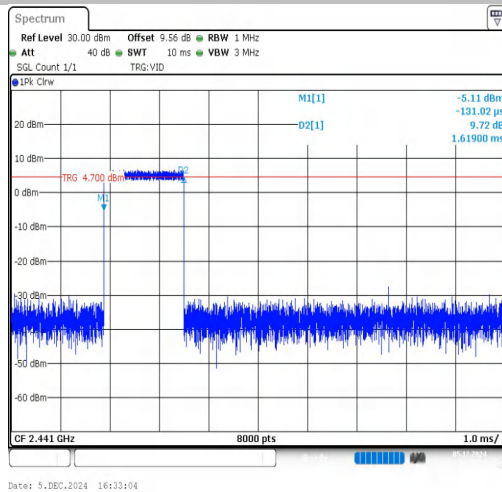
DH5-Ant1-Hop-PASS

DH5-Ant1-Hop-PASS



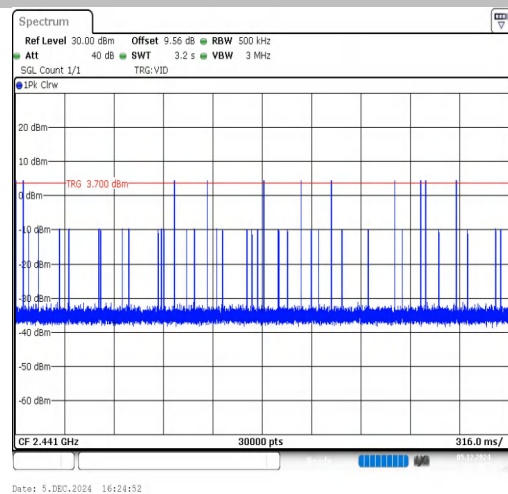
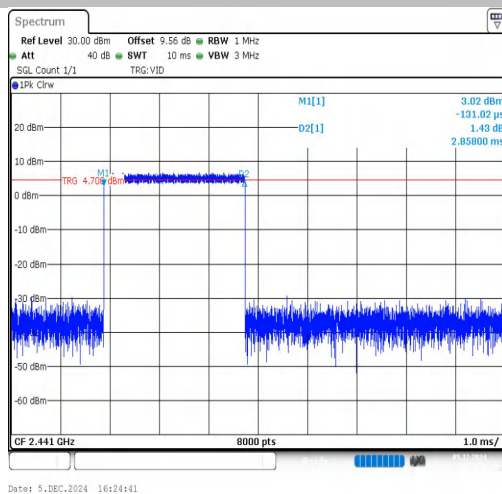
2DH1-Ant1-Hop-PASS

2DH1-Ant1-Hop-PASS



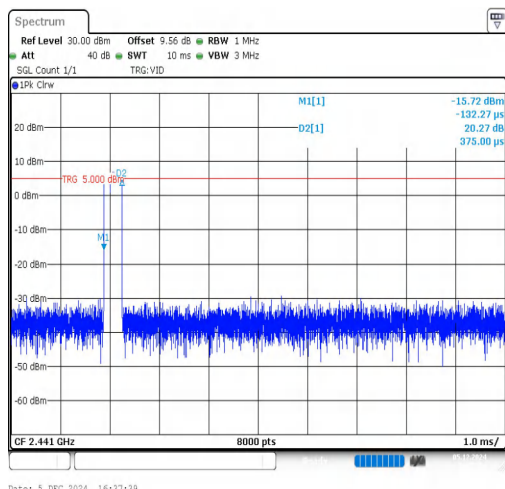
2DH3-Ant1-Hop-PASS

2DH3-Ant1-Hop-PASS

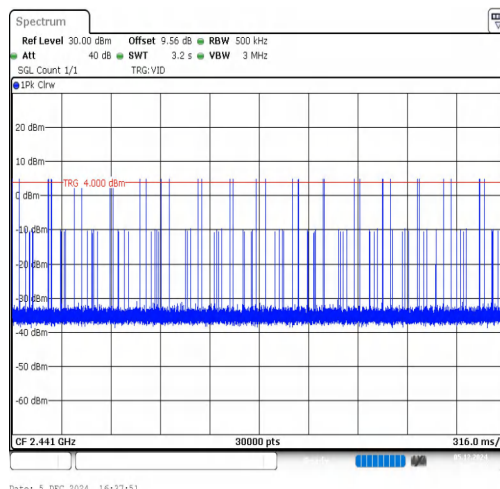


2DH5-Ant1-Hop-PASS

2DH5-Ant1-Hop-PASS



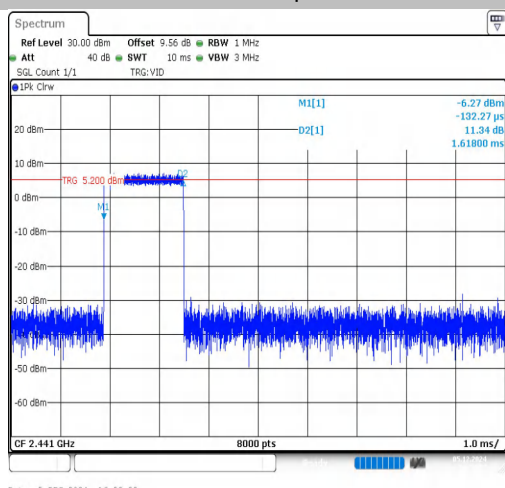
Date: 5, DEC, 2024 16:37:39



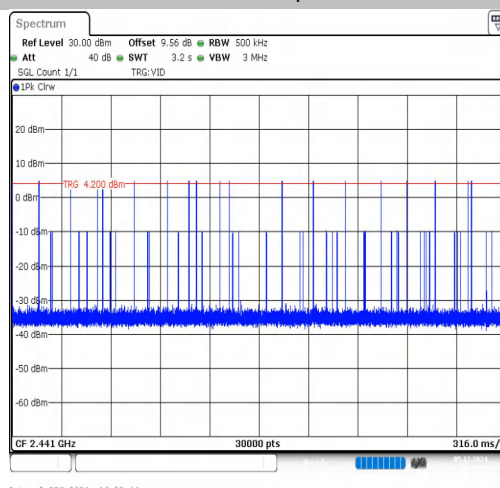
Date: 5, DEC, 2024 16:37:51

3DH1-Ant1-Hop-PASS

3DH1-Ant1-Hop-PASS



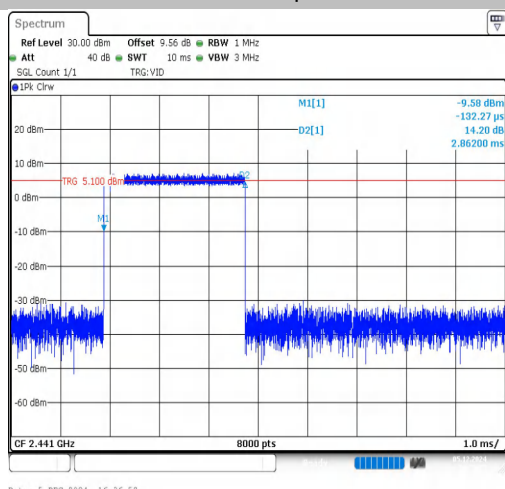
Date: 5, DEC, 2024 16:38:33



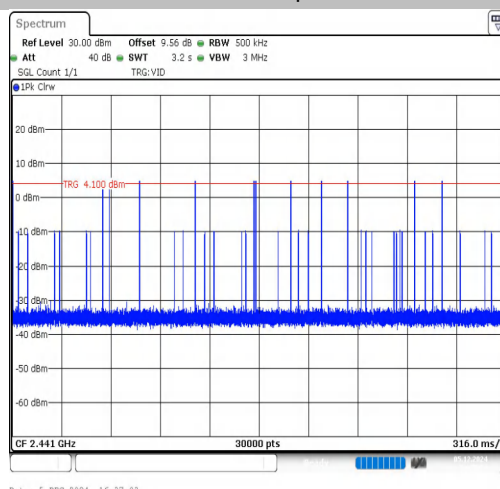
Date: 5, DEC, 2024 16:38:44

3DH3-Ant1-Hop-PASS

3DH3-Ant1-Hop-PASS



Date: 5, DEC, 2024 16:38:52



Date: 5, DEC, 2024 16:37:03

3DH5-Ant1-Hop-PASS

3DH5-Ant1-Hop-PASS



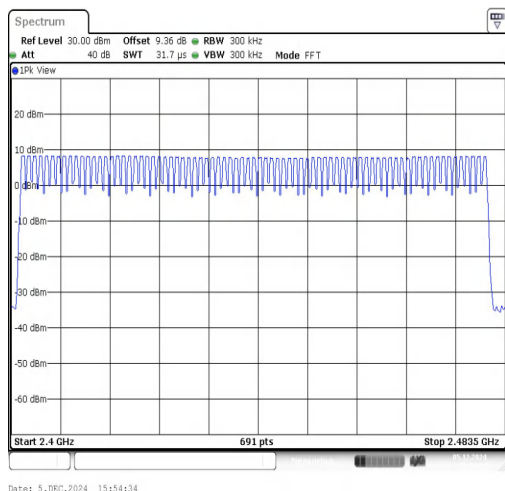
Appendix F: Number of hopping channels

Test Result

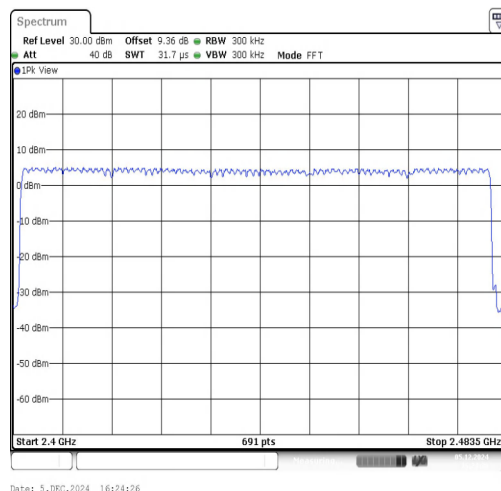
Test Mode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥ 15	PASS
2DH5	Ant1	Hop	79	≥ 15	PASS
3DH5	Ant1	Hop	79	≥ 15	PASS



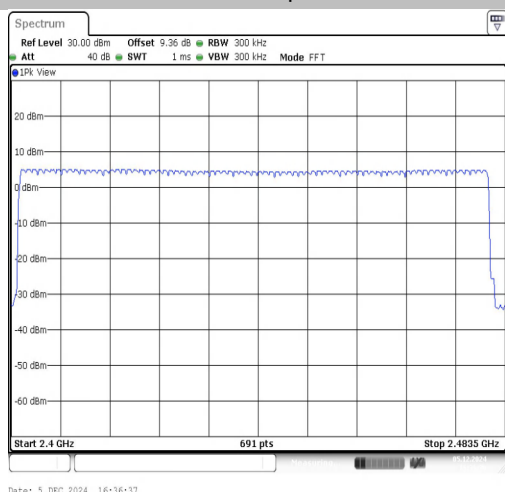
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



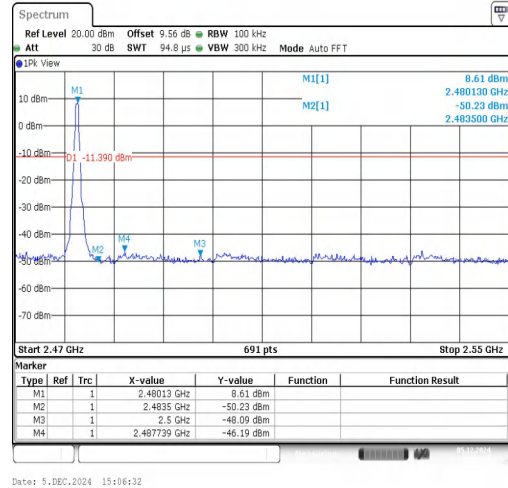
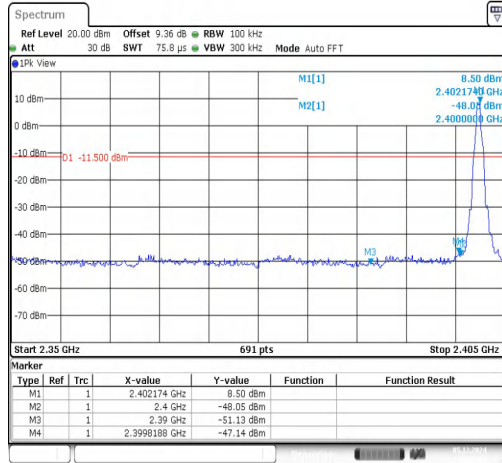
Appendix G: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Freq(MHz)	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	8.50	-47.14	≤ -11.5	PASS
DH5	Ant1	High	2480	8.61	-46.19	≤ -11.39	PASS
DH5	Ant1	Low	Hop_2402	7.83	-47.18	≤ -12.17	PASS
DH5	Ant1	High	Hop_2480	7.99	-45.75	≤ -12.01	PASS
2DH5	Ant1	Low	2402	5.01	-47.55	≤ -14.99	PASS
2DH5	Ant1	High	2480	5.16	-45.78	≤ -14.84	PASS
2DH5	Ant1	Low	Hop_2402	2.76	-48.07	≤ -17.24	PASS
2DH5	Ant1	High	Hop_2480	5.07	-46.43	≤ -14.93	PASS
3DH5	Ant1	Low	2402	4.99	-47.08	≤ -15.01	PASS
3DH5	Ant1	High	2480	5.16	-46.63	≤ -14.84	PASS
3DH5	Ant1	Low	Hop_2402	2.67	-47.61	≤ -17.33	PASS
3DH5	Ant1	High	Hop_2480	4.33	-46.81	≤ -15.67	PASS

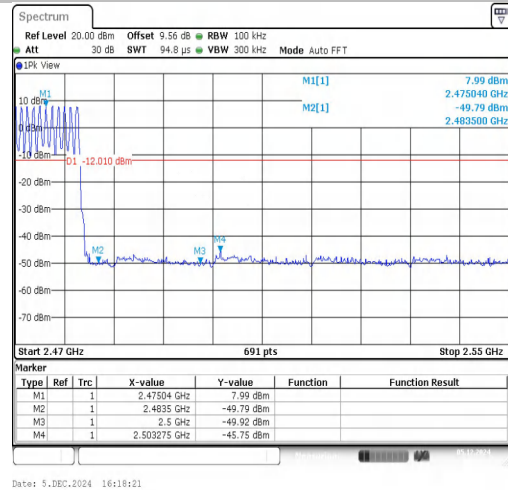
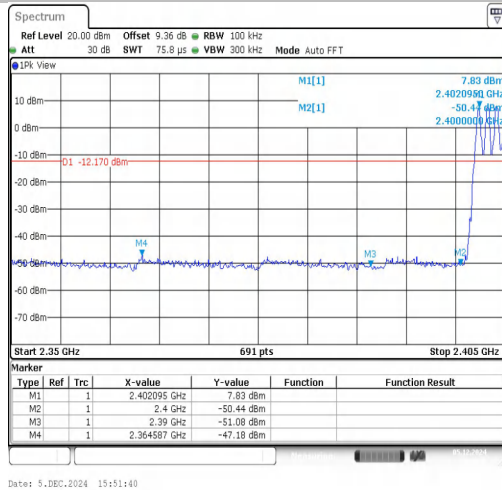


Test Graphs



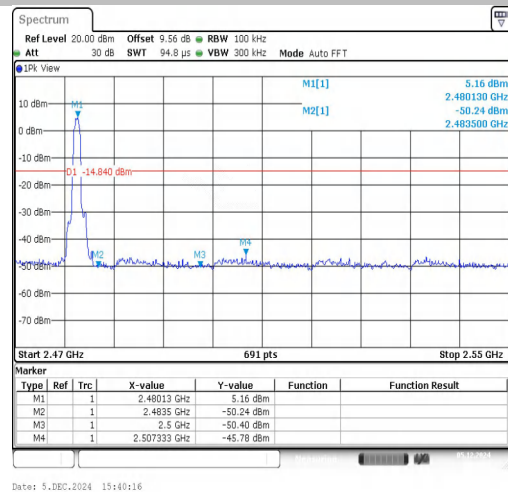
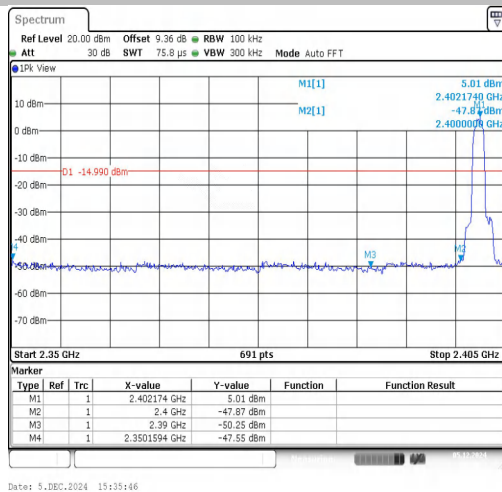
DH5-Ant1-2402-PASS

DH5-Ant1-2480-PASS



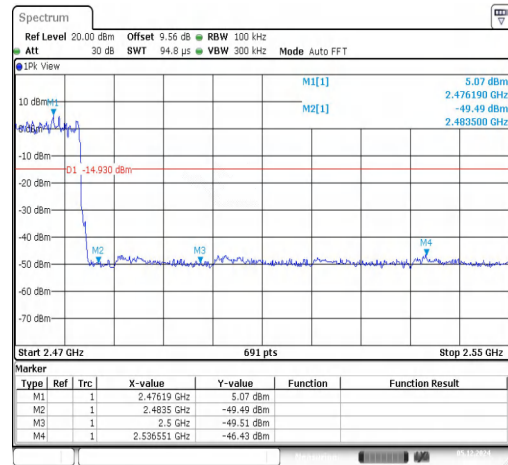
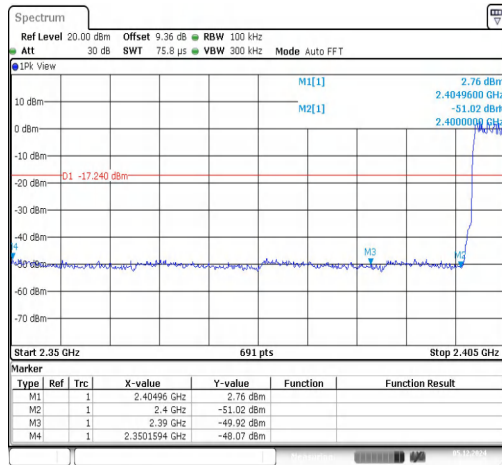
DH5-Ant1-Hop_2402-PASS

DH5-Ant1-Hop_2480-PASS

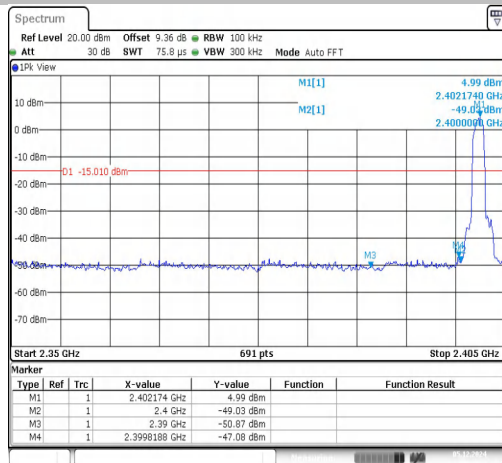


2DH5-Ant1-2402-PASS

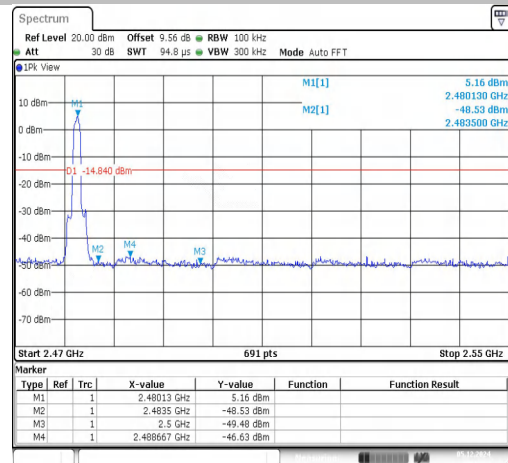
2DH5-Ant1-2480-PASS



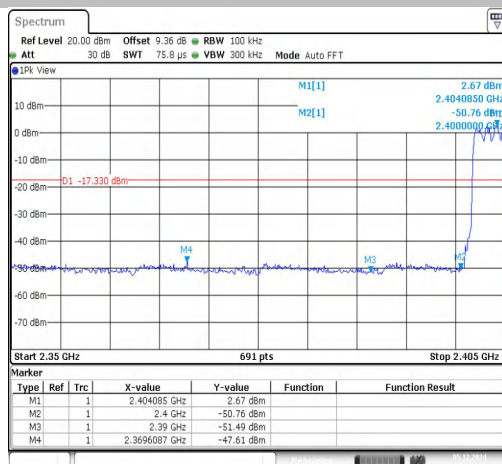
2DH5-Ant1-Hop_2402-PASS



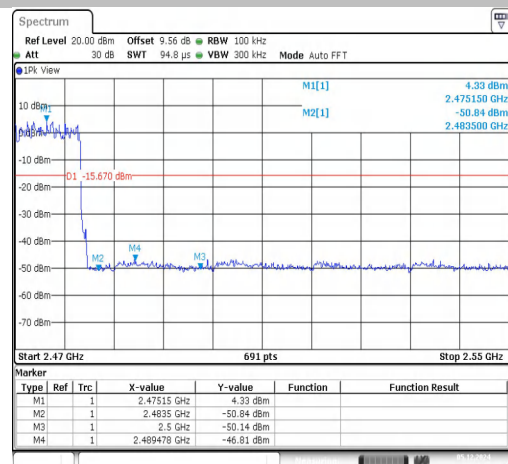
2DH5-Ant1-Hop_2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS

3DH5-Ant1-Hop_2480-PASS



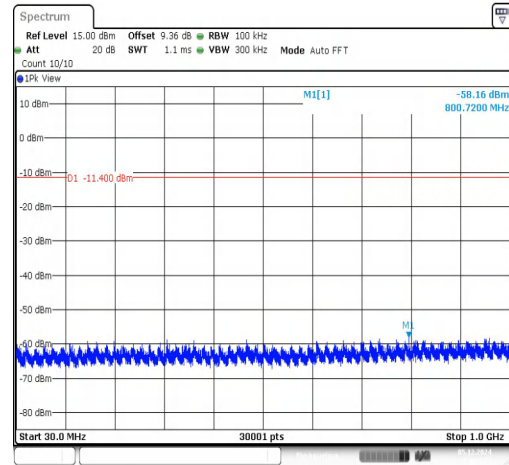
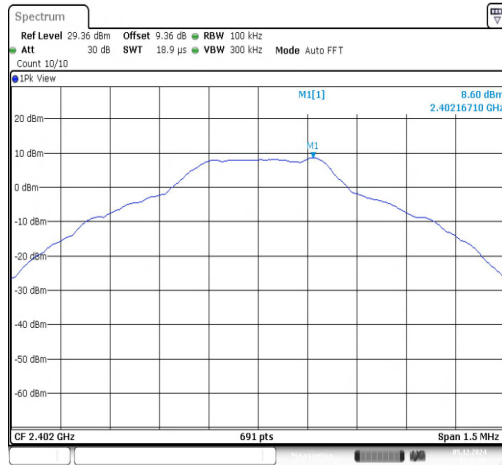
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Freq(MHz)	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	8.60	8.60	---	PASS
DH5	Ant1	2402	30~1000	8.60	-58.16	≤ -11.4	PASS
DH5	Ant1	2402	1000~26500	8.60	-43.19	≤ -11.4	PASS
DH5	Ant1	2441	0~Reference	8.27	8.27	---	PASS
DH5	Ant1	2441	30~1000	8.27	-57.91	≤ -11.73	PASS
DH5	Ant1	2441	1000~26500	8.27	-42.68	≤ -11.73	PASS
DH5	Ant1	2480	0~Reference	8.66	8.66	---	PASS
DH5	Ant1	2480	30~1000	8.66	-57.22	≤ -11.34	PASS
DH5	Ant1	2480	1000~26500	8.66	-43.59	≤ -11.34	PASS
2DH5	Ant1	2402	0~Reference	5.14	5.14	---	PASS
2DH5	Ant1	2402	30~1000	5.14	-58.45	≤ -14.86	PASS
2DH5	Ant1	2402	1000~26500	5.14	-46.81	≤ -14.86	PASS
2DH5	Ant1	2441	0~Reference	4.81	4.81	---	PASS
2DH5	Ant1	2441	30~1000	4.81	-56.89	≤ -15.19	PASS
2DH5	Ant1	2441	1000~26500	4.81	-47.02	≤ -15.19	PASS
2DH5	Ant1	2480	0~Reference	5.17	5.17	---	PASS
2DH5	Ant1	2480	30~1000	5.17	-57.77	≤ -14.83	PASS
2DH5	Ant1	2480	1000~26500	5.17	-47.09	≤ -14.83	PASS
3DH5	Ant1	2402	0~Reference	5.12	5.12	---	PASS
3DH5	Ant1	2402	30~1000	5.12	-58.29	≤ -14.88	PASS
3DH5	Ant1	2402	1000~26500	5.12	-46.99	≤ -14.88	PASS
3DH5	Ant1	2441	0~Reference	4.79	4.79	---	PASS
3DH5	Ant1	2441	30~1000	4.79	-57.45	≤ -15.21	PASS
3DH5	Ant1	2441	1000~26500	4.79	-46.8	≤ -15.21	PASS
3DH5	Ant1	2480	0~Reference	5.17	5.17	---	PASS
3DH5	Ant1	2480	30~1000	5.17	-57.84	≤ -14.83	PASS
3DH5	Ant1	2480	1000~26500	5.17	-47.11	≤ -14.83	PASS

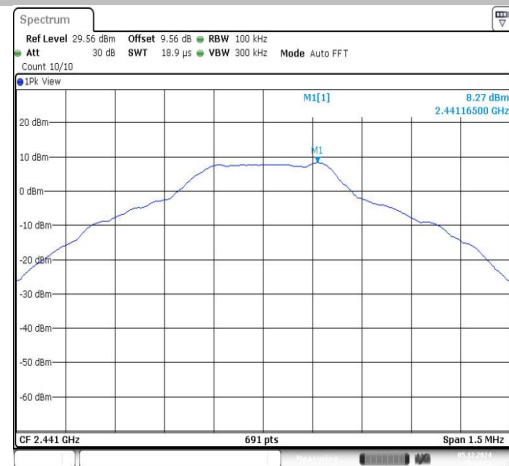
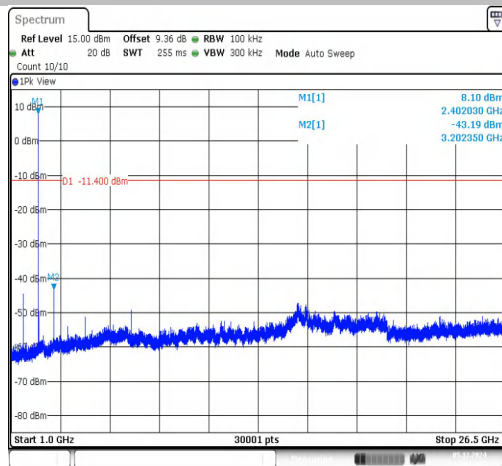


Test Graphs



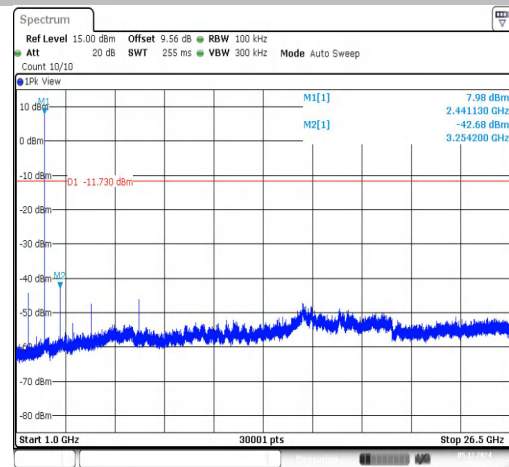
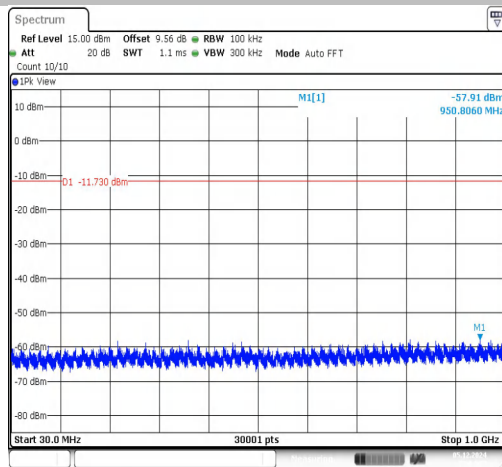
DH5-Ant1-2402-0~Reference-PASS

DH5-Ant1-2402-30~1000-PASS



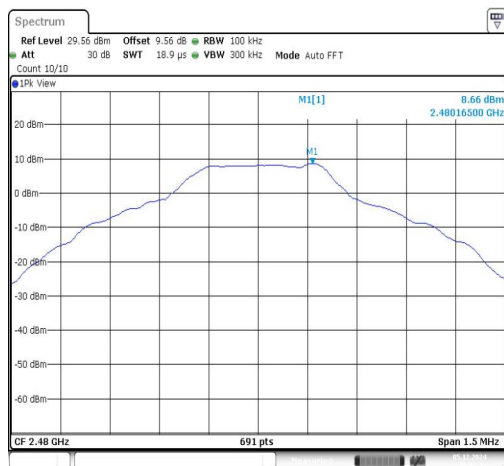
DH5-Ant1-2402-1000~26500-PASS

DH5-Ant1-2441-0~Reference-PASS

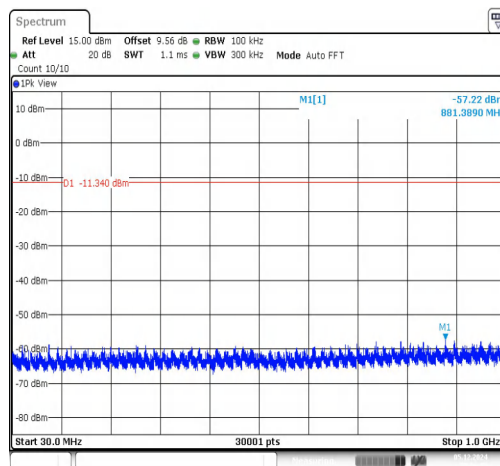


DH5-Ant1-2441-30~1000-PASS

DH5-Ant1-2441-1000~26500-PASS



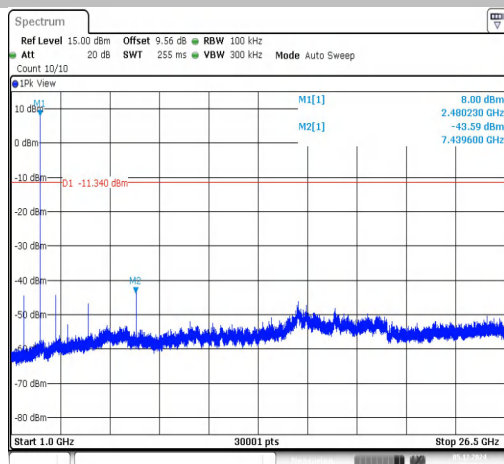
Date: 5, DEC, 2024 15:06:42



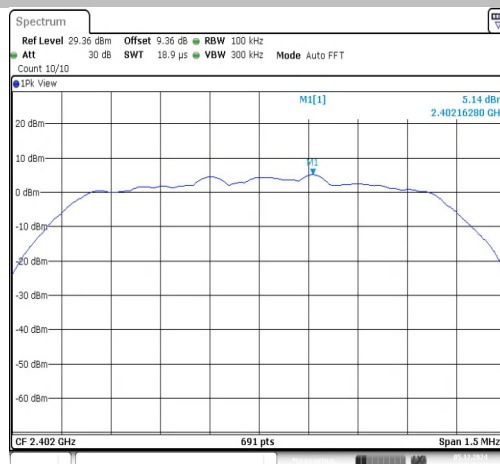
Date: 5, DEC, 2024 15:06:53

DH5-Ant1-2480-0~Reference-PASS

DH5-Ant1-2480-30~1000-PASS



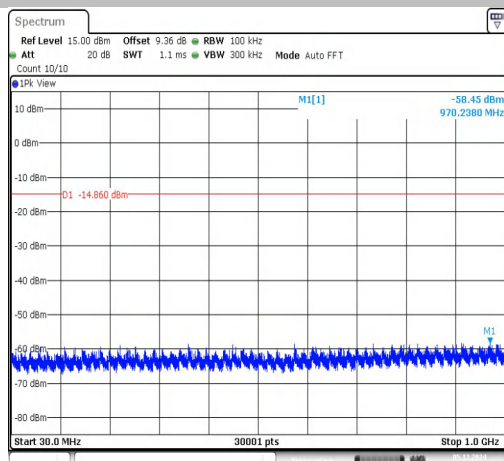
Date: 5, DEC, 2024 15:07:30



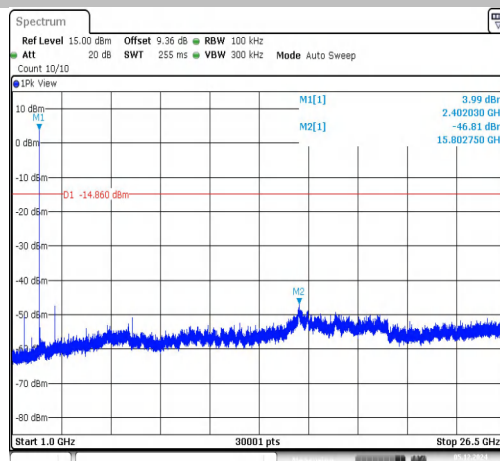
Date: 5, DEC, 2024 15:35:55

DH5-Ant1-2480-1000~26500-PASS

2DH5-Ant1-2402-0~Reference-PASS



Date: 5, DEC, 2024 15:36:07



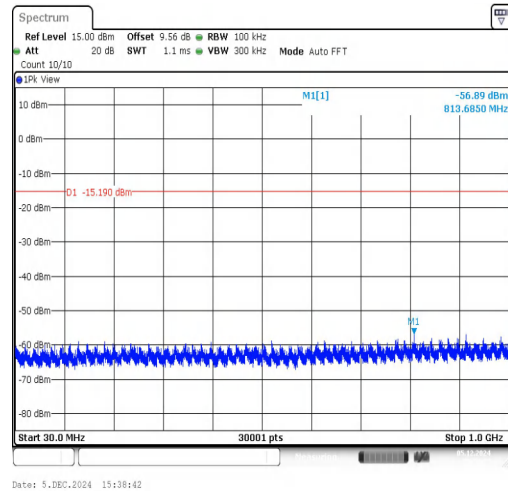
Date: 5, DEC, 2024 15:36:44

2DH5-Ant1-2402-30~1000-PASS

2DH5-Ant1-2402-1000~26500-PASS



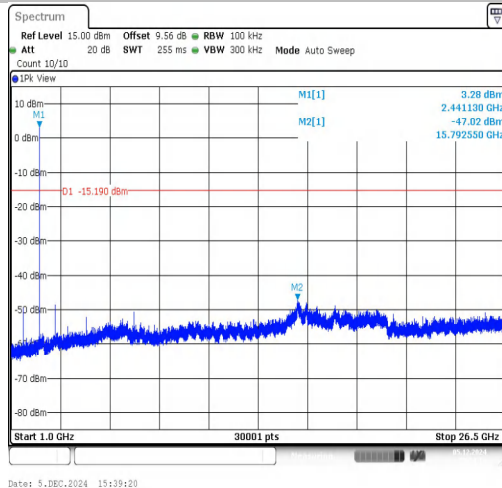
Date: 5, DEC, 2024 15:38:31



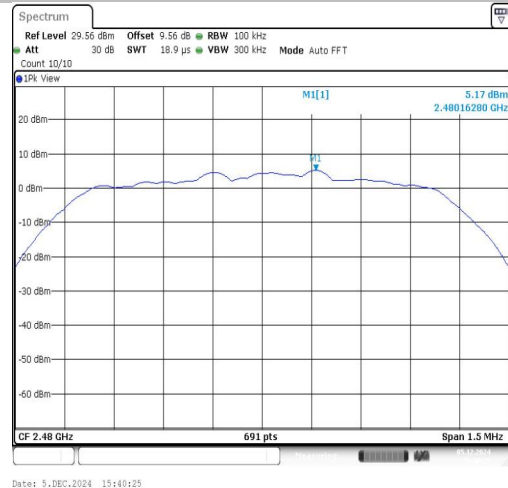
Date: 5, DEC, 2024 15:38:42

2DH5-Ant1-2441-0~Reference-PASS

2DH5-Ant1-2441-30~1000-PASS



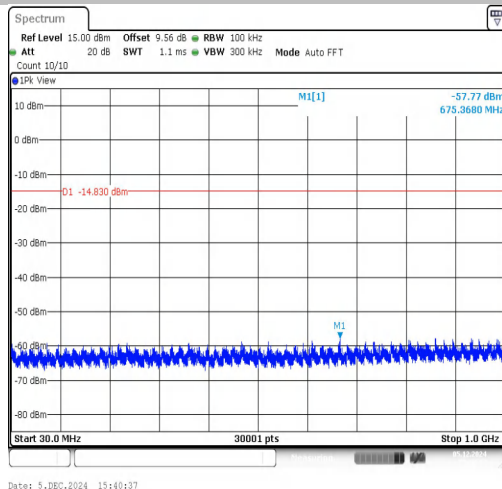
Date: 5, DEC, 2024 15:39:20



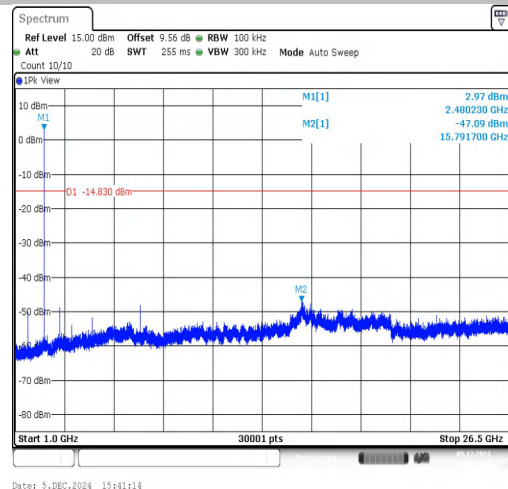
Date: 5, DEC, 2024 15:40:25

2DH5-Ant1-2441-1000~26500-PASS

2DH5-Ant1-2480-0~Reference-PASS



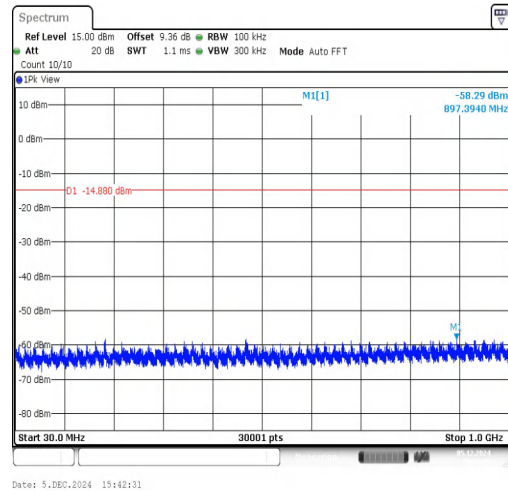
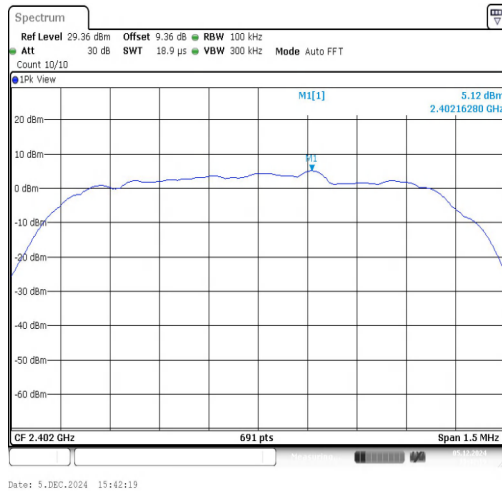
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Date: 5, DEC, 2024 15:41:14

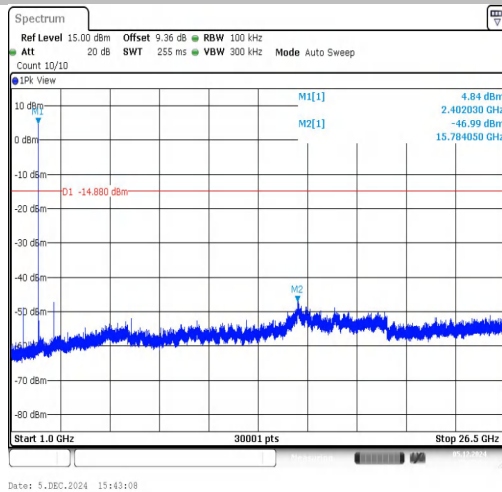
2DH5-Ant1-2480-30~1000-PASS

2DH5-Ant1-2480-1000~26500-PASS



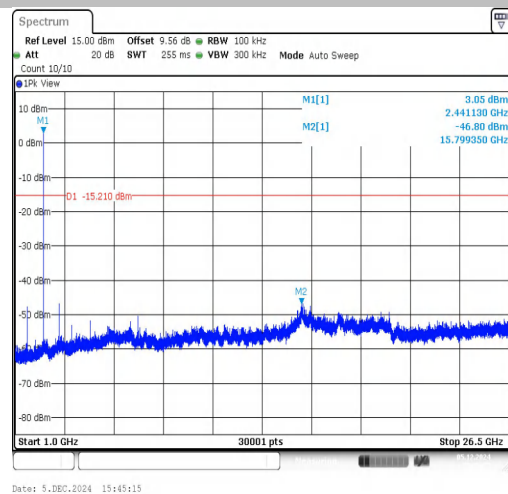
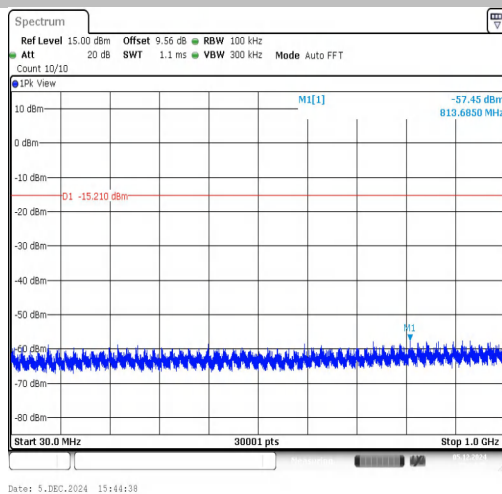
3DH5-Ant1-2402-0~Reference-PASS

3DH5-Ant1-2402-30~1000-PASS



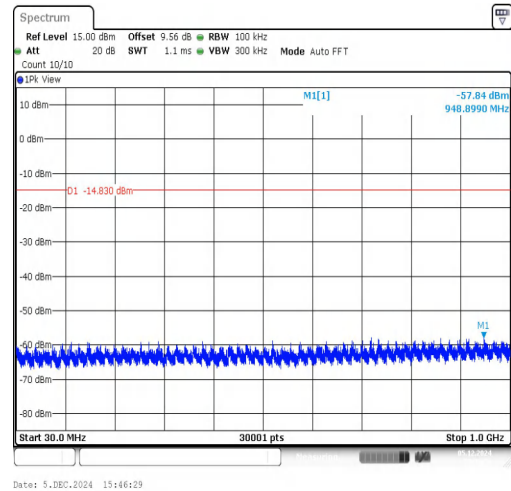
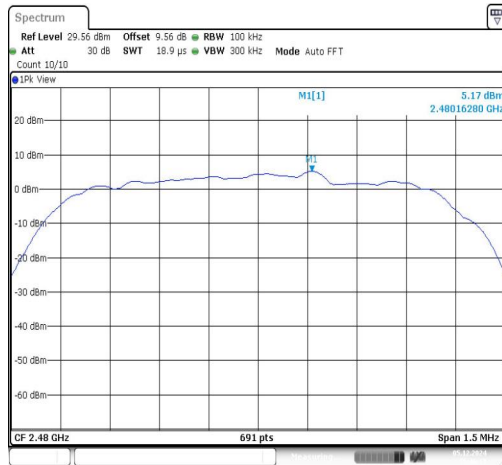
3DH5-Ant1-2402-1000~26500-PASS

3DH5-Ant1-2441-0~Reference-PASS



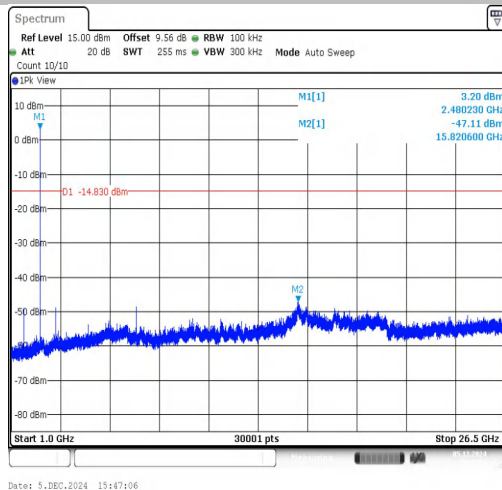
3DH5-Ant1-2441-30~1000-PASS

3DH5-Ant1-2441-1000~26500-PASS



3DH5-Ant1-2480-0~Reference-PASS

3DH5-Ant1-2480-30~1000-PASS



3DH5-Ant1-2480-1000~26500-PASS



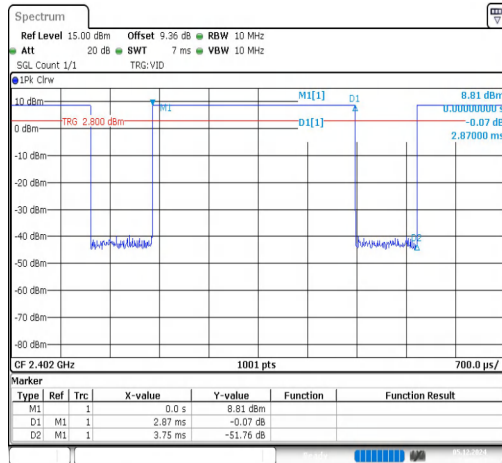
Appendix I: Duty Cycle

Test Result

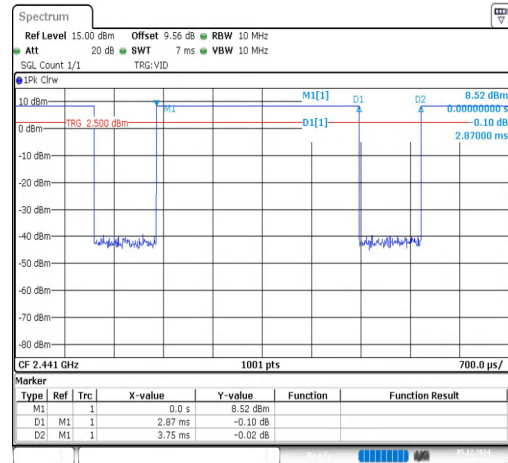
Test Mode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor (dB)
DH5	Ant1	2402	2.87	3.75	76.53	1.16
DH5	Ant1	2441	2.87	3.75	76.53	1.16
DH5	Ant1	2480	2.87	3.75	76.53	1.16
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.88	3.75	76.80	1.15
3DH5	Ant1	2402	2.88	3.75	76.80	1.15
3DH5	Ant1	2441	2.88	3.75	76.80	1.15
3DH5	Ant1	2480	2.87	3.74	76.74	1.15



Test Graphs



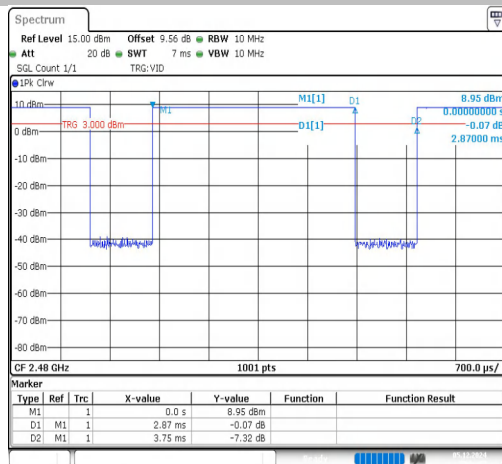
Date: 5.DEC.2024 14:56:25



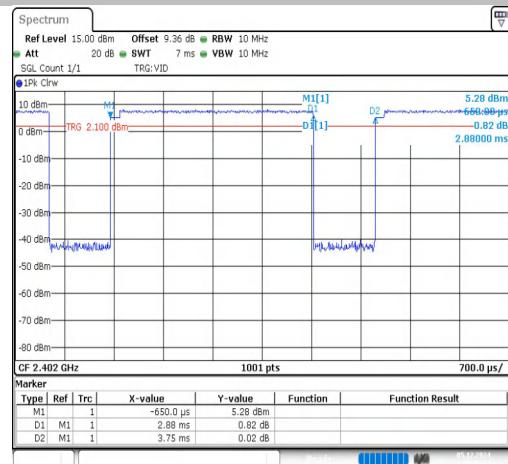
Date: 5.DEC.2024 15:03:58

NTNV-DH5-Ant1-2402

NTNV-DH5-Ant1-2441



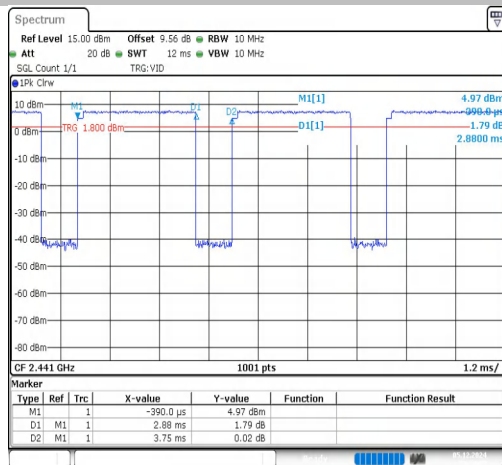
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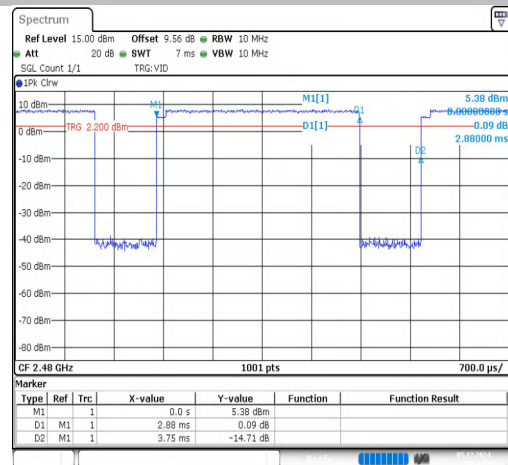
Date: 5.DEC.2024 15:35:19

NTNV-DH5-Ant1-2480

NTNV-2DH5-Ant1-2402



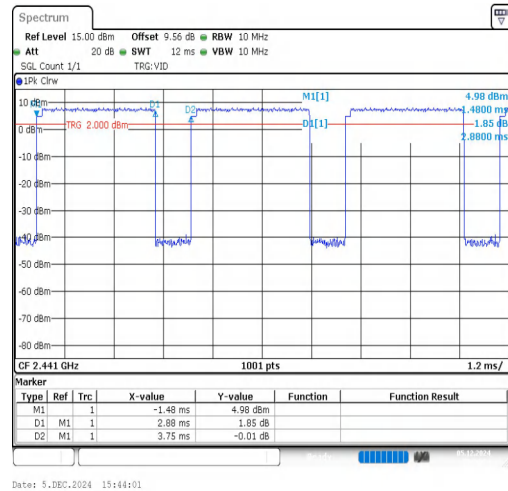
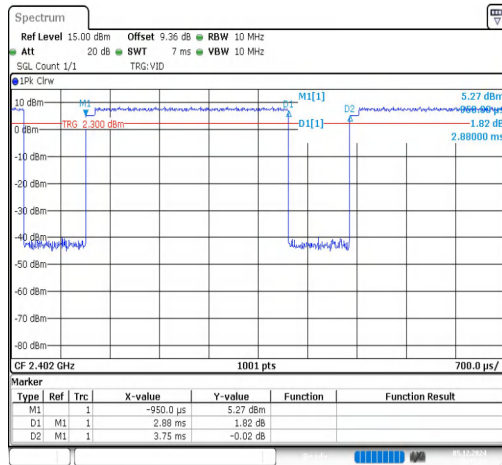
Date: 5.DEC.2024 15:38:05



Date: 5.DEC.2024 15:39:49

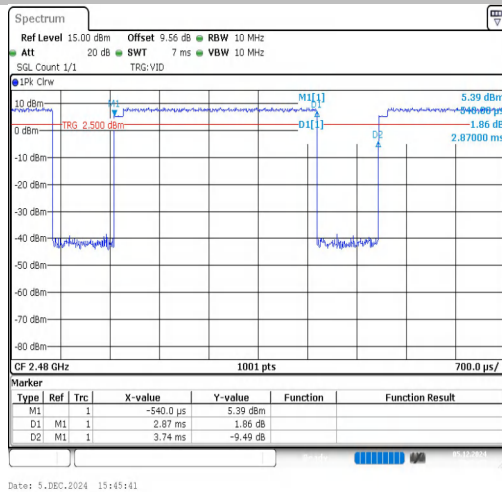
NTNV-2DH5-Ant1-2441

NTNV-2DH5-Ant1-2480



NTNV-3DH5-Ant1-2402

NTNV-3DH5-Ant1-2441



NTNV-3DH5-Ant1-2480

-----END-----